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A new atmospheric characterization of the sub-stellar companion HR 2562 B with JWST/MIRI observations (Corrigendum)

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Key words. instrumentation: high angular resolution – methods: data analysis – techniques: image processing – planets and satellites: atmospheres – infrared: planetary systems – errata, addenda

An error was found on the y-axis of Fig. 8 and a typographic error in Table 8 of the original paper (Godoy et al. 2024).

The original figure presents the detection limit in 5σ contrast in planet absolute magnitude units (i.e., the Vega system) instead of the contrast to the host star units. In the new Fig. 1, we have corrected the y-axis to match the correct definition of the contrast curve.

In addition, Table 8 in the original paper had a typographic error in one of the column titles. The original table presents the absolute magnitude in the J band (2MASS system) as M_{Jup} instead of M_{J} . In the new Table 1 we have corrected the column name.

These changes do not alter the results, science, or conclusions of the original article.

Table 1. Colors and absolute magnitudes in the 2MASS and MIRI filters of HR 2562 B and VHS 1256 b.

Target	M_{J} [mag]	$J - K_{\text{S}}$ [mag]	M_{F1065C} [mag]	F1065C-F1140C [mag]
HR 2562 B	15.3	2.5	10.64	−0.03
VHS 1256 b	16.37	2.6	10.07	0.15

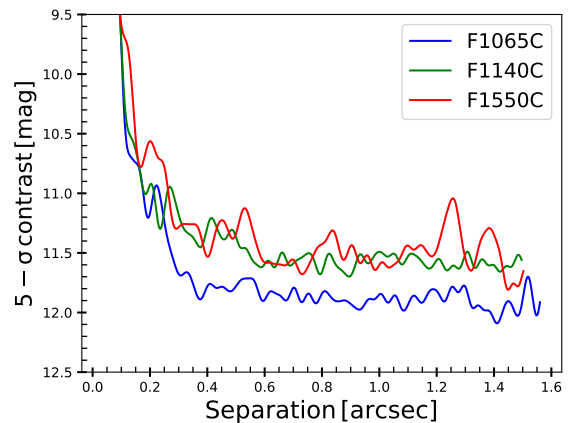


Fig. 1. Smoothed contrast limits (i.e., contrast to the host star) for all JWST/MIRI observations (F1065C, F1140C, and F1550C).

References

Godoy, N., Choquet, E., Serabyn, E., et al. 2024, *A&A*, 689, A185

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